

WHAT IS CLAIMED IS:

1 1. A method for searching for television programs
2 comprising the steps of:

3 identifying at least one key object in at least one Internet
4 document;

5 sending said at least one key object to a search capable
6 video recorder; and

 conducting a key object search with said search capable
video recorder to locate at least one television program that
contains said at least one key object.

1 2. The method as claimed in Claim 1 further comprising the
2 steps of:

3 identifying a plurality of key objects in at least one
4 Internet document;

5 placing said plurality of key objects in a list of key
6 objects;

7 sending said list of key objects to said search capable
video recorder; and

8 conducting a key object search with said search capable
9 video recorder to locate at least one television program that
10 contains at least one key object in said list of key objects.
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1 3. The method as claimed in Claim 2 further comprising the
2 step of:

3 increasing the number of said plurality of key objects in
4 said list of key objects by adding key objects to said list that
5 are similar to said plurality of key objects in said list of key
6 objects.

4. The method as claimed in Claim 1 further comprising the
steps of:

providing search results of said key object search to a
viewer, said search results identifying at least one television
program that contains at least one key object;

selecting at least one television program that contains at
least one key object in response to a viewer instruction; and

recording in said search capable video recorder said at
least one television program selected by said viewer.

1 5. The method as claimed in Claim 1 further comprising the
2 steps of:

3 receiving in said search capable video recorder search
4 results of said key object search, said search results
5 containing at least one television program that contains at
6 least one key object; and

7 recording in said search capable video recorder at least one
of the television programs identified in said search results.

8 6. The method as claimed in Claim 5 further comprising the
9 steps of:

10 using a selection criterion to select at least one
11 television program from said search results to be recorded.

12 7. The method as claimed in Claim 6 wherein said selection
13 criterion comprises one of: selecting only those television
14 programs that will be shown in a particular time period,
15 selecting only those television programs that are deemed to be
16 the most relevant to a particular topic, selecting all
17 television programs that appear within a search result until the
disk space limit of a search capable video recorder has been

1 reached, selecting television programs that may be overwritten
2 by said search capable video recorder, and selecting television
3 programs that may not be overwritten by said search capable
4 video recorder.

1 8. The method as claimed in Claim 5 further comprising the
2 step of:

recording in said search capable video recorder all of the
television programs identified in said search results.

9. The method claimed in Claim 1 wherein said key object
search is conducted for a predetermined period of time.

10. The method as claimed in Claim 1 wherein said key
object search identifies at least one television program using
program identification information.

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1 11. The method as claimed in Claim 1 wherein said key
2 object search identifies at least one television program by
3 analyzing at least one video stream of at least one television
4 program to find objects that match the key objects used in said
5 key object search.

1 12. The method as claimed in Claim 1 wherein said search
capable video recorder comprises one of: a video recorder with
a hard disk memory, a television set with a video recorder with
a hard disk memory, a set top box with a video recorder with a
hard disk memory, a video cassette recorder with a hard disk
memory, and a personal computer with a video card.

1 13. A method for searching for television programs
2 comprising the steps of:

3 identifying at least one key object in at least one Internet
4 document;

5 sending said at least one key object to a search capable
6 video recorder;

7 conducting a key object search with said search capable
video recorder to locate at least one television program that
contains said at least one key object;

8 providing search results of said key object search to a
9 viewer, said search results identifying at least one television
10 program that contains at least one key object;

11 selecting at least one television program that contains at
least one key object in response to a viewer instruction; and

12 recording in said search capable video recorder said at
13 least one television program selected by said viewer.
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1 14. The method as claimed in Claim 13 further comprising
2 the step of:

3 conducting said key object search in said search capable
4 video recorder in television programs that have previously been
5 recorded in said search capable video recorder.

1 15. The method as claimed in Claim 13 wherein said key
object search is conducted for a predetermined period of time.

16. The method as claimed in Claim 13 wherein said key
object search identifies at least one television program using
program identification information.

17. The method as claimed in Claim 13 wherein said key
2 object search identifies at least one television program by
3 analyzing at least one video stream of at least one television
4 program to find objects that match the key objects used in said
5 key object search.

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1 18. The method as claimed in Claim 13 wherein said search
2 capable video recorder comprises one of: a video recorder with
3 a hard disk memory, a television set with a video recorder with
4 a hard disk memory, a set top box with a video recorder with a
5 hard disk memory, a video cassette recorder with a hard disk
6 memory, and a personal computer with a video card.

1 19. A method for searching for television programs
2 comprising the steps of:

3 identifying a plurality of key objects in at least one
4 Internet document;

5 placing said plurality of key objects in a list of key
6 objects;

7 sending said list of key objects to said search capable
video recorder;

8 conducting a key object search with said search capable
9 video recorder to locate at least one television program that
10 contains at least one key object in said list of key objects;

11 providing search results of said key object search to a
12 viewer, said search results identifying at least one television
13 program that contains at least one key object;

14 selecting at least one television program that contains at
15 least one key object in response to a viewer instruction; and
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17 recording in said search capable video recorder said at
18 least one television program selected by said viewer.

1 20. The method as claimed in Claim 19 wherein said key
2 object search is conducted for a predetermined period of time.

1 21. The method as claimed in Claim 19 wherein said key
2 object search identifies at least one television program using
3 program identification information.

1 22. The method as claimed in Claim 19 wherein said key
2 object search identifies at least one television program by
3 analyzing at least one video stream of at least one television
4 program to find objects that match the key objects used in said
5 key object search.

1 23. The method as claimed in Claim 19 wherein said search
2 capable video recorder comprises one of: a video recorder with
3 a hard disk memory, a television set with a video recorder with
4 a hard disk memory, a set top box with a video recorder with a
5 hard disk memory, a video cassette recorder with a hard disk
6 memory, and a personal computer with a video card.

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